

ABSTRACT OF THE DISCLOSURE

The method of the present invention comprises a steps of performing nickel strike plating onto a base material, thereby forming a first plating layer,
5 performing nickel plating, in which alloy particles containing at least Cr, Al and Y are dispersed, onto the first plating layer, thereby forming a second plating layer, performing nickel plating, in which alloy particles containing at least Cr, Al and Y and
10 hard particles are dispersed, on the second plating layer, thereby forming a third plating layer, performing plating, in which alloy particles containing at least Cr, Al and Y are dispersed, onto the third plating layer, thereby forming a fourth plating layer
15 such that the hard particles of the third plating layer are partly exposed, and performing intermediate heating process to the plating layers to diffuse the alloy particles throughout the plating layers, thereby forming an alloy layer.